

Do you know synthetic biology?

Age: ☐ under18 ☐ 18-25 ☐ 26-35 ☐ 36-55 ☐ over 55

Sex: ☐ Man ☐ Woman

Profession or studies: ☐ Biology ☐ other scientific field ☐ No science background

Do you know synthetic biology? ☐ Yes ☐ No

If yes: How have you heard about it?

What is the definition of this field according to you?

.....

If no: Can you give, in 3 words, what « synthetic biology » make you think of?

.....

A little definition to help you with the following questions:

The goal of synthetic biology is to use living systems to replace chemical processes or to optimize the production of natural compounds. For example, the production by micro-organisms of ethanol (biofuel) or also, the production by Bacteria of Insulin which is needed by diabetics.

Possible field of application:

In which field, do you think synthetic biology can be useful?

- ☐ Health
- ☐ Sport
- ☐ Technology
- ☐ Farming
- ☐ Food industry
- ☐ Town planning
- ☐ Energy
- ☐ Politics
- ☐ Cosmetics
- ☐ Environment
- ☐ Spatial conquest
- ☐ Defense and Arming
- ☐ Industry
- ☐ Scientific outcome
- ☐ Art
- ☐ Computer science
- ☐ History
- ☐ None
- ☐ Other:

Which kind of problems, synthetic biology can solve according to you?

- ☐ Production of electricity
- ☐ Famine in the world
- ☐ Ebola
- ☐ Malnutrition
- ☐ Overpopulation
- ☐ Pollution
- ☐ Availability of drinkable water
- ☐ Production of fuel
- ☐ HIV
- ☐ Aging
- ☐ Global warming
- ☐ Obesity
- ☐ Cancer
- ☐ Recycling of waste
- ☐ Economic crisis
- ☐ End of fossil resources
- ☐ Rejuvenate
- ☐ None
- ☐ Other:

Genetically modified organisms:

Are you for or against the use of GMO? ☐ For ☐ Against ☐ Depends on the situation

Do you think that food which comes from genetically modified farming is healthy to eat?

☐ Yes ☐ No ☐ Don't know

Do you think that food which comes from farming using pesticides is healthy to eat?

☐ Yes ☐ No ☐ Don't know

For you, between the 2 following propositions, which food is healthier to eat?

☐ Food which comes from GM farming ☐ Food which comes from farming using pesticides ☐ None

Why?

Examples of synthetic biology application:

Do you think synthetic biology is already used in medicine? ☐ Yes ☐ No ☐ Don't know

Do you know that synthetic biology is currently used to produce insulin?

(The insulin is a vital drug for people who have a certain kind of diabetes because their body is not able to produce it by itself.) ☐ Yes ☐ No

Are you in agreement with the use of this synthetic insulin?

☐ For ☐ Quite for ☐ Don't know ☐ Quite against ☐ Against

Is the use of synthetic biology in medicine acceptable for you? ☐ Yes ☐ No ☐ Don't know

Do you know that synthetic biology is currently used to create engineered micro-organism to eliminate a fungus which causes death of tree near to the «Canal du Midi »?

(The "Canal du Midi" is a canal in the south of France. It's designated a UNESCO World Heritage Site.) ☐ Yes ☐ No

Are you in agreement with the use of this engineered micro-organism as antifungal?

(An antifungal is an agent with eliminate fungi)

☐ For ☐ Quite for ☐ Don't know ☐ Quite against ☐ Against

Do you know that synthetic biology is currently used to produce new elastic material by Bacteria?

☐ Yes ☐ No

Are you in agreement with the production and the use of this material in everyday life?

☐ For ☐ Quite for ☐ Don't know ☐ Quite against ☐ Against

Are you for the Research on biofuel? ☐ Yes ☐ No ☐ Don't know

Do you think it is important to invest in the field of the synthetic biology? ☐ Yes ☐ No ☐ Don't know